

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously presented) A vacuum switching device comprising:
a vacuum interrupter;
a current exchange housing adjacent to the vacuum interrupter;
a seal provided around the vacuum interrupter and the current exchange housing so as to define a cavity within the current exchange housing and adjacent to the vacuum interrupter; and
a capillary tube provided through the seal, the capillary tube disposed such that a first end of the capillary tube accesses the cavity and a second end of the capillary tube accesses an exterior of the seal.
2. (Previously presented) The vacuum switching device of claim 1 wherein the capillary tube comprises a syringe needle inserted through the seal.
3. (Previously presented) The vacuum switching device of claim 1 wherein the capillary tube is integrally formed into the seal during formation of the seal.
4. (Previously presented) The vacuum switching device of claim 1 wherein the second end of the capillary tube is open to an encapsulation material provided around the vacuum interrupter, the current exchange housing, and the seal.
5. (Original) The vacuum switching device of claim 4 wherein the encapsulation material includes a pre-filled, hot-curing, two-component epoxy resin.
- 6-7. (Canceled)

8. (Original) The vacuum switching device of claim 1 comprising an operating rod extending through the seal into the cavity, and operable to actuate the vacuum interrupter.

9-17. (Canceled)

18. (Previously presented) A vacuum switching device comprising:
a vacuum interrupter;
a hollow housing adjacent to the vacuum interrupter;
a seal provided around the vacuum interrupter and the hollow housing, the seal defining an air-filled cavity within the hollow housing; and
a tube provided through the seal and including cured liquefied encapsulation material to block the passage of air between an exterior of the seal and the cavity.

19-20. (Canceled)

21. (Previously presented) The vacuum switching device of claim 18 wherein the tube has a diameter large enough to transfer air from the air-filled cavity to the space exterior to the seal and small enough to prevent transmission of the liquefied encapsulation material from the space into the air-filled cavity.

22. (Previously presented) The vacuum switching device of claim 18 wherein the tube comprises a syringe needle inserted through the seal.

23. (Canceled)

24. (Previously presented) The vacuum switching device of claim 18 wherein:
the tube is disposed such that a first end of the tube accesses the cavity and a second end of the tube access an exterior of the seal, and

the second end of the tube is open to an encapsulation material provided around the vacuum interrupter, the hollow housing, and the seal.

25. (Previously presented) The vacuum switching device of claim 24 wherein the encapsulation material includes a pre-filled, hot-curing, two-component epoxy resin.

26. (Previously presented) The vacuum switching device of claim 18 comprising an operating rod extending through the seal into the cavity, and operable to actuate the vacuum interrupter.

27. (Previously presented) The vacuum switching device of claim 1 wherein the capillary tube has an inner diameter of approximately 0.25 to 0.35 mm.

28. (Previously presented) The vacuum switching device of claim 1 wherein the capillary tube has a gauge from 23 to 26.